

Appl. No. 10/502,418
Paper Dated: August 7, 2006
Reply to Office Action of March 7, 2006
Attorney Docket No. 0470-044730

Amendments to the Abstract

Please replace the Abstract with the following amended Abstract.

POSITION PICKUP FOR ROTATIONAL SPEED SENSOR

ABSTRACT OF THE DISCLOSURE

Disclosed is a rotational speed sensor comprising a rotatable ring. The rotational speed sensor has K magnetic pole pairs distributed angularly over the rotatable ring. Also, sensors are positioned relative to the rotatable ring such that a varying magnetic field is detected. The sensors comprise a first pair being positioned $2\pi L/K$ radians apart. The sensors further comprise a second pair being positioned $2\pi M/K$ radians apart. The first pair of sensors and second pair of sensors are positioned at a relative position of $(2\pi/K)*((2n-1)/2)$ radians. L, M are integers between one and K and n is an integer greater than one.